VIEW SOLICITATION
General Information

Solicitation Number:	W912DR-07-S-0012
Restrictions:	
Title:	Residuals Collection and Treatment Facility, Washington Aqueduct
Location:	Washington, DC
Issue Date:	09 March 2007
Closing Date:	4:00 2 April 2007
Price Range:	N/A
Time for Completion:	N/A
NAICS:	
FSC:	
Size Standard:	
Contracting POC:	Pat Adams
DTL or Technical POC:	
Synopsis:	

THIS IS A SOURCES SOUGHT ANNOUNCEMENT, NOT A SOLICITATION OR OFFER TO PURCHASE.

The Baltimore District, Washington Aqueduct, seeks to determine the availability and adequacy of potential suppliers for the requirements set forth herein. These requirements are to be included in an upcoming Residuals Collection and Treatment Facility project.

REQUIREMENTS:

1) FOREBAY RESIDUALS DEWATERING SYSTEMS; Manufacturer: Eutek Systems, Hillsborough, OR. The system shall classify, wash, and dewater residuals from raw river water which have settled by gravity in a water treatment reservoir. Residuals will be conveyed to the systems by others via a separate external pumping system. System shall also be capable of periodically dewatering lime residuals pumped from a finished water clearwell. Two redundant Systems will be provided.

The equipment for each system to be installed shall include but not be limited to:

a. Two Forebay residuals centrifugal separators.
b. One Forebay residuals clarifier/dewatering device.
c. One control panel.

The system shall be able to process material with a solids concentration range of 0.5 to 1.5 percent, dry solids basis with a removal efficiency of 95 percent of all residual particles having specific gravity 2.60 or higher and size greater than 50 microns (270 mesh) at a rate of 9,800 pounds per hour.

2) DREDGES; Manufacturer: Pithog/Liquid Waste Technology, Somerset, Wisconsin. Three dredge systems will be provided - one for a raw water reservoir and one for each of two side by side sedimentation basin reservoirs. The dredge system shall employ an unmanned, automatic, programmed, cable-guided, electrically-powered floating dredge unit equipped with a pump and a submerged auger cutter-head system to remove silt from a water treatment reservoir passing raw river water and water treatment residuals from a sedimentation basin reservoir. The dredges shall be started and controlled automatically from shore using radio remote control with GPS position confirmation. Dredge shall be capable of following a preprogrammed travel path without manual operator input, including automatic tension

adjustment of guide cables installed around irregularly shaped basins. Dredged residuals shall be pumped to a pump station wet well. The residuals will then be transferred to a processing facility by others.

3) HOSELESS CABLE VACUUM SYSTEM; Manufacturer: Meurer Research, Inc., Golden, Colorado. The system shall remove settled solids from the lower deck of existing drinking water treatment sedimentation basins, with an over/under configuration, and discharge the solids via differential head to a transfer pump station. Unit shall be capable of operation on a basin floor with a transverse slope of approximately 2.7 percent. Units shall be driven only by underwater cable and pulley systems without the use of submerged flexible hoses or submerged electrical motors and pumps. The system shall be capable of being installed according to manufacturer's recommendations for proper operation without the need for major structural modifications to the existing sedimentation basins due to significant limitations on allowable outages.

4) RESIDUALS SLUDGE AND FOREBAY DEWATER ED SILT STORAGE BINS AND CONVEYORS; Manufacturer: Hindon Roplex/RDP Technologies, Norristown, PA. The system shall receive, store and off load drinking water treatment plant residual solids from centrifuges and dewatered silt from a silt separation system s. Water treatment plant residuals material will be 20 to 28 percent dry solids, with a bulk density of approximately 70 pounds per cubic foot. Dewatered Silt will be approximately 60 percent dry solids with a bulk density of approximately 104 pounds per cubic foot. Storage bins shall have 100 wet tons of usable storage capacity and system shall be capable of discharging 200 wet tons per hour.

The system shall include but not be limited to:

1. Three storage bins and dischargers for water treatment plant residuals from centrifuges.
2. One storage bin and discharger for dewatered reservoir silt.
3. One dewatered silt transfer conveyor.
4. One dewatered silt truck loading field panel.
5. Three water treatment residuals truck loading field panels.

5) MICROWAVE DENSITY METER; Manufacturer: Toshiba, Tokyo, Japan. Microwave phase shift type system shall measure in real time the fluid density of the water plant residual solids, water with residuals (siliceous sediments and alum coagulation products) or water plant thickened sludge, flowing through pipe. Measurement shall not be affected by flow velocity, process liquid color, contaminants, or low pressure conditions. System shall be designed for fluid at 150 psi maximum operating pressure, 0 to 100 degrees C (32 to 212 degrees F) temperature and 0 to 48 percent total solids.

NOTE: Contractors who can supply these requirements should notify this office in writing by mail, email or fax (410-962-0933) no later than 2 April 2006, 4:00 PM Local Time . Mail responses to U.S. ARMY CORPS OF ENGINEERS, Attn: CENAB-CT-A, P.O. Box 1715, Baltimore, MD 21203. Email to patricia.a.adams@nab02.usace.army.mil.

NO APPOINTMENTS OR TELEPHONE CALLS WILL BE ACCEPTED.